Investigator's Name:	ive
Case Name:Ancient Climate	
Discretion: Florissant Fossil Beds National Monument. CO Observations:  In the last mystery, you learned how to use the floristic and physiognomic methods to compare fossils to living organisms. You already know that fossils can tell us what types of plants and animals lived in Florissant during the Eocene. Go to the fossil collections and look at the plant and animal fossils from Florissant. Write some observations about the fossils. Do you think that you can learn something about the ancient climate based on the types of plants and animals that lived here during the Eocene?  Formulating hypotheses is an important step in your investigation. How can you determine what a past environment we like based on fossils? Write your hypothesis about the Eocene environment in the space provided in the investigator's report. Remember that a hypothesis is a statement that answers a question. Your hypothesis should also be something that you can test with the evidence you will collect.  1. What kinds of plants and animals lived in the Florissant Valley during the Eocene?  2. What environmental conditions would these plants and animals need to survive?	
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Questions and Hypot	
3. What can you say about the Eocene climate based on the types of plants and animals found in the fossils from that time?	
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Introduction Movie:			
F '10 II 4'			
Fossil Collections:			
Floristic Method:			
FIORISTIC Method:			

Physiognomic Me	Physiognomic Method:						
Tour the Eocene E	poch:						
Geologic Time Sca	lle - The Eocene Epoch:						

hypotheses and the n gathered to write you	otes you took on tl	ne evidence. Does t	he evidence support yo	eport to read the questions, our hypothesis? Use the evid	dence you
gathered to write you	ar conclusions abou	t the ancient clima	te at Fiorissant.		
I certify that I have ne	ersonally investigate	ed this mystery and	collected all of the evic	dence. My results and conclu	sions are
			to be (circle true OR fal		are
	Hypothesis 1	TRUE	FALSE	•	
	Hypothesis 2	TRUE	FALSE		
-	Hypothesis 3	TRUE	FALSE		
Investigated Circuit	<b>*</b> 0.			Dat	
Investigator's Signatui	re:	Detect		Date:	